Yorkshire Dales National Park

Forecast valid from 00:00 on Saturday 20 Feb 2021 until 23:59 on Sunday 21 Feb 2021

Forecast Issued on Friday 19 Feb 2021 at 11:15

Confidence: High for occasionally unsettled and seasonally mild, but confidence lowering for the extent and timing of the worst conditions from Sunday onwards.

Headline for Saturday 20 Feb 2021: Poor walking weather. Overcast with rain occasionally turning heavy. Windy at height.

Mountain weather hazards on Saturday 20 Feb 2021

Blizzards
No Likelihood

Heavy Snow
No Likelihood

Storm force winds
No Likelihood

Gales
Low Likelihood

Severe chill effect
Low Likelihood

Poor visibility
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Light rain	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Heavy Rain
Precipitation probability							
40%	70%	80%	80%	>95%	80%	70%	80%

Forecast for Saturday 20 Feb 2021

Weather: Overcast with prolonged periods of rain, turning heavy at times, particularly either side of midday and across southern ranges. However rain turning increasingly light and patchy late evening, with a chance of clear spells spreading from the west towards midnight.

Chance of cloud free mountain/hill tops above 600m: 10% or less in south 25% in north.

Visibility: Moderate or poor in rain, less in cloud with bases over northern ranges broken and extensive in south from 450-600m.

Forecast for Saturday 20 Feb 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	24/35 S	20/29 S	18/27 S	22/32 S	25/36 S	26/39 S	29/44 S	27/44 SW	21/33 SW
300	16/33 S	13/27 S	12/25 S	14/30 S	16/35 S	19/38 S	21/43 S	19/41 S	14/29 SW
Valley	13/30 S	11/26 S	11/25 S	13/31 S	16/37 S	18/40 S	19/42 S	14/33 S	11/26 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/1	6/2	6/2	7/2	7/2	7/2	7/2	7/1	5/0
300	8/5	8/5	8/5	8/5	9/6	9/6	9/5	9/5	7/4
Valley	10/7	9/7	9/7	10/7	10/8	11/8	11/7	10/7	8/6
Freezing Level*	1800m	1700m	1600m	1900m	2000m	2000m	2000m	1700m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Conditions dangerous at height, particularly in the south, with extensive hill fog, strong, perhaps gale force, summit winds driving rain and a severe chill effect.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 19 Feb 2021	4.2mm	11.4mm	17.8mm

Forecast for Sunday 21 Feb 2021

Weather: Mostly dry with some brighter spells appearing. However confidence is medium with an area of cloud and rain to the east of the area, potentially waving westwards, particularly later in the day.

Maximum wind: South or southwest 20 mph with gusts 30 mph, gradually easing from mid-morning.

Chance of cloud free mountain/hill tops above 600m: 75% becoming 50% later

Visibility: Generally good, becoming moderate or poor in any rain, less in associated cloud where bases lower 450-600m.

Temperature: **Valleys:** Plus 5 Celsius rising Plus 14 Celsius during the afternoon
At 600m: Plus 4-6 Celsius
Freezing level: Above all summits.